

MINUTES OF MEETING
SOUTHEAST CASS WATER RESOURCE DISTRICT
CASS COUNTY HIGHWAY DEPARTMENT
WEST FARGO, NORTH DAKOTA
FEBRUARY 11, 2014

The Southeast Cass Water Resource District met on February 11, 2014, at 8:30 a.m. at the Cass County Highway Department, West Fargo, North Dakota.

Present were Mark Brodshaug, Chairman; Dan Jacobson, Manager; Lance Yohe, Manager; Carol Harbeke Lewis, Secretary-Treasurer; Sean M. Fredricks, Attorney for the Board; Chad Engels, Kyle Volk and Kurt Lysne, Engineers for the Board; Brady Woodard and Kyle McCamy, Moore Engineering, Inc.; Vern Bennett, Cass County Commission; Jacob Gust, Sheyenne-Maple Flood Control District #1 Superintendent; George Grossman, City of West Fargo; Pat Downs, Red River Retention Authority; Jason Benson, Cass County Engineer; Mark Bittner, Fargo Director of Engineering; Bob Backman, River Keepers; Mike Manstrom, Dougherty & Company LLC; Brett Coleman, Luke Schmidt and Elliot Stefanik, Corps of Engineers (by telephone); and Steve Griffin, Strata Corporation.

Minutes

It was moved by Manager Jacobson, seconded by Manager Yohe and unanimously carried to approve the minutes of the January 7, January 8 and February 4, 2014, meetings.

Approval of agenda

It was moved by Manager Yohe, seconded by Manager Jacobson and unanimously carried to approve the order of the agenda.

Sheyenne River and Wild Rice River Snagging and Clearing Projects

Brady Woodard updated the Board on the Sheyenne River and Wild Rice River Snagging and Clearing Projects. American Enterprises, Inc. began work yesterday on the Sheyenne River at State Highway 46 and will be working north. Mr. Woodard said work has just started on the Wild Rice River.

It was moved by Manager Yohe and seconded by Manager Jacobson to authorize Moore Engineering, Inc. to hire Industrial Builders, Inc. to remove trees north of 40th Avenue North on the Sheyenne River, at an amount not to exceed \$10,000. Upon roll call vote, the motion carried unanimously.

Wild Rice River Dam – Brett Coleman, Corps of Engineers

Brett Coleman reviewed information regarding the Wild Rice River Dam fish passage design. Alternatives for the dam were reviewed, including the construction of a rock rapids fishway on the existing dam or 50' upstream of the existing dam, or removal of

the dam. A recreational concept was also presented to the Board which includes an access road and a parking lot for fishing.

The Corps of Engineers performed a geotechnical evaluation of potential impacts if the Wild Rice Dam is removed and not replaced, and found that removing the dam will decrease the stability of the channel banks along the river, but it is difficult to determine how much. The channel slopes have already failed and will continue to slide into the river with or without the dam.

The HEC-RAS model was modified to look at the effects on the water surface profile if the Wild Rice River Dam crest was lowered. The existing conditions, dam removal and dam lowering scenarios for several ranges of flow were discussed.

No preliminary cost estimates have been prepared at this point. Mr. Coleman said the project would be funded through the Metro Flood Diversion Project.

Mr. Coleman indicated the Corps of Engineers would like a recommendation from the Southeast Cass Water Resource District as soon as possible. They will prepare cost estimates for the two options for review and discussion at the next meeting.

Drain #45 – easement / encroachments on Strata Corporation property

Kyle McCamy met with the Board to discuss updating the Drain #45 easements on property owned by Strata Corporation. There have been changes in drainage and two buildings encroach Southeast Cass Water Resource District property. Various options were discussed. Mr. McCamy will work with the input received from the Board to develop another proposal and Sean Fredricks will draft an agreement for review at a future meeting.

Sheyenne-Maple Flood Control Projects – river flow improvements

Kyle Volk distributed information regarding Sheyenne Diversion river flow improvements and presented a preliminary cost estimate for the proposed improvements. Mr. Volk will continue developing the plan and will also review it with the City of West Fargo.

Drain reassessments

Mr. Volk distributed and reviewed an analysis on the proposed reassessment of Drains #3, #10, #21, #40 and #45. Mr. Volk explained the boundaries of the benefitted areas could be more accurately defined using LiDAR. The Board directed Mr. Volk to proceed with the development of the boundaries using LiDAR and the assessments for the Board's review at a future meeting. Mark Bittner suggested the Board consider combining Drains #27 and #53.

Drain #21 Improvements

Kurt Lysne reviewed information regarding Drain #21 Improvements with the Board. He indicated the City of West Fargo would like to proceed with the development of a cost-estimate for 2 alternatives.

It was moved by Manager Jacobson and seconded by Manager Yohe to authorize Moore Engineering, Inc. to develop a cost estimate for the reconstruction of Drain #21, at an amount not to exceed \$10,000. Upon roll call vote, the motion carried unanimously

Drain #45 Improvements

Alternatives for Drain #45 Improvements were discussed. Mr. Engels will prepare a proposal for review to the next meeting.

Bond refunding

Mike Manstrom met with the Board to discuss the possibility of refunding any outstanding debt for Southeast Cass Water Resource District. Mr. Manstrom said interest rates are expected to remain low again in 2014. Due to the low interest rates on the outstanding bonds, there is nothing to refund at this time.

Chrisan and Maple Prairie Flood Risk Reduction Study

Mr. Engels gave a PowerPoint presentation regarding Chrisan and Maple Prairie Flood Risk Reduction alternatives, and an Opinion of Probable Cost for several options for reducing impacts. The existing FEMA floodplain and the preliminary new FEMA floodplain maps were reviewed, showing the changes in 100-year and 500-year floodplains.

Jason Benson informed the Board that a public meeting was held with residents to discuss the potential buyout of homes and the options for permanent flood protection in the area. FEMA has come back with additional funding for the 2011 flood event and would prefer the funds are used for buyouts. Mr. Benson is recommending to the Cass County Commission to use the funds to purchase 47 homes and to select the permanent flood protection option to construct a levee on the west side of Cass County Highway 81 through the Chrisan area. The information presented today will be discussed at the next Cass County Commission meeting.

Drain #10 – 2013 Channel Repairs

Mr. Fredricks and Mr. Engels updated the Board on the Drain #10 2013 Channel Repairs. Utility work and seeding will be completed in the spring.

Drain #10 Slide Repairs at NDSU

Braun Intertec has completed geotechnical work for the slide area on Drain #10 at NDSU. Mr. Engels reviewed options and an *Engineer's Opinion of Probable Cost* for the repair work. The matter will be discussed further at the next meeting.

Drain #10 Improvements – design report

The Board discussed Drain #10 Improvements in Sections 12 and 14 in Reed Township. Mr. Engels distributed an *Engineer's Opinion of Probable Cost* and a map showing future right-of-way for Drain #10. Mr. Engels will work with the City of Fargo to create a design report depicting future plans for the Board to review.

State Water Plan for the 2015-2017 biennium – projects / programs to submit

The Water Resource District Engineer is working to compile a list of projects and programs to submit to the State Water Plan for the 2015-2017 biennium.

Application for Authorization to Construct a Project Within Islands and Beds of Navigable Streams and Waters No. S-1879 for the City of Fargo to remove an existing storm sewer outfall structure and construct a storm sewer outfall structure into the Red River in the SE 1/4 NE 1/4 of Section 1 in Stanley Township

It was moved by Manager Jacobson and seconded by Manager Yohe to authorize the Water Resource District Engineer to review *Application for Authorization to Construct a Project Within Islands and Beds of Navigable Streams and Waters No. S-1879* for the City of Fargo to remove an existing storm sewer outfall structure and construct a storm sewer outfall structure into the Red River in the SE 1/4 NE 1/4 of Section 1 in Stanley Township and submit comments, as necessary. Upon roll call vote, the motion carried unanimously.

Authorization for the Chairman to sign the plat for Woodhurst Addition in the City of Fargo

It was moved by Manager Yohe and seconded by Manager Jacobson to authorize the Chairman to sign the plat for Woodhurst Addition in the City of Fargo. Upon roll call vote, the motion carried unanimously.

Correspondence from West Fargo Planning

It was moved by Manager Jacobson and seconded by Manager Yohe to authorize the Water Resource District Engineer to review and submit comments regarding the following correspondence from West Fargo Planning:

- Westlake 3rd Planned Unit Development Amendment
- North Pond at the Preserve 5th Addition
- River's Bend at the Preserve 2nd Addition
- Christianson 2nd Addition
- Flint Hills Addition

Upon roll call vote, the motion carried unanimously.

Animal Damage Control – First Amendment to Independent Contractor Agreement

It was moved by Manager Yohe and seconded by Manager Jacobson to approve the First Amendment to Independent Contractor Agreement with JAC Predator and Large Pest Control. Upon roll call vote, the motion carried unanimously.

Southeast Cass Water Resource District Project Dashboard

Mr. Engels reviewed the Southeast Cass Water Resource District Project Dashboard.

Bills

It was moved by Manager Jacobson and seconded by Manager Yohe to approve payment of Checks #11123 through #11146, the electronic funds transfer and the debit card transaction, as presented. Upon roll call vote, the motion carried unanimously.

Adjournment

There being no further business for the Board to consider, it was moved by Manager Yohe, seconded by Manager Jacobson and unanimously carried to adjourn the meeting.

APPROVED:

Mark Brodshaug
Chairman

ATTEST:

Carol Harbeke Lewis
Secretary-Treasurer